DLOC Precursor IC 5.3: Practice Exercise #6

Directions: Choose the lettered answer that best completes the question. There is only one correct answer for each question unless indicated otherwise.

1.		the given charach VCP.	acteristics with the	correct VCP. Th	nere is more than one answer
			VCP 11	VCP 21	
			VCP 31	VCP 32	
	a.	Scans 5 elevat	ion angles in 10 m	ninutes	
	b.		ion angles in 6 mi		
c. Scans 14 elevation angles in 5 minutes			•		
		Transmits sho	_		
		Transmits long	-		
			st antenna rotation	rate	
			est antenna rotatio		
	δ.	oses the starr		ii ruic	
2. V	a.	VCP 11	he greatest statisti	cal accuracy of the	he base data?
		VCP 21			
		VCP 31			
	d.	VCP 32			
2.1	A. 1.			Wab oor) 1' / 1 ' TEI
		•	for each technique		Sampling technique. There
Con Con	ntiguou ntiguou ntiguou	us Doppler X (Cas Surveillance as Doppler (CD))		
	a.	Employed on	the lowest 2 eleva	tion slices in all	VCPs.
	b.				32 and on the lowest 3 slices
		in VCP 31 to 0	collect target refle	ctivity and range	information.
	c.	Transmits high	h PRF for entire 3	60° sweep.	

f. Transmits at a low PRF and then switches to a high PRF for each 1° wide sweep.

e. Used on the lowest 2 slices in VCPs 11, 21, and 32 and on the lowest 3 slices in VCP 31 to collect target velocity and spectrum width information.

d. Transmits low PRF for entire 360° sweep.

- g. Transmits at a high PRF to collect both target reflectivity and velocity data on higher elevation slices.
- h. Employed in middle elevation angles in VCPs 11, 21, and 32; not used in VCP 31.
- i. Employed where ground clutter contamination and multiple trip echoes are more likely to occur.

	more fixery to occur.
mode at 6.0	r the characteristics of VCP 21 when the WSR-88D is scanning in Batch (B) 0° elevation. To collect surveillance data, PRF# is used and pulses per radial are transmitted.
b. c.	1, 28 2, 8 3, 12 5, 70
	r the characteristics of VCP 32 when the WSR-88D is scanning in Contiguous (D) mode at 1.5°. The default PRF # is and pulses per radial atted.
b. c.	5, 220 6, 238 7, 256 8, 278
velocity da	R-88D is operating in VCP 32, using Delta PRI table #3, and is collecting ta at 1.5° elevation, then pulses would be transmitted per radial and be approximately kt for the default values.
b. c.	220, 79 1013.51, 79 220, 48.7 1013.51, 48.7
	SR-88D radar is operating in VCP 11 and scanning with an elevation angle are CDX waveform. A thunderstorm located at a range of 95 nm with a top of will
b. c.	not be range folded. be range folded (i.e., "second trip" echo). be detected, but placed at the proper range. not be detected at this elevation angle.